

# Data Sheet

## Fujitsu PSAS CP400i SAS Controller

PSAS CP400i, 8-port, 12Gb/s SAS+SATA PCIe Host Bus Adapter

The SAS / SATA technology offers a performance improvement over traditional SCSI connections. Serial Attached SCSI (SAS) and Serial ATA (SATA) are point-to-point serial peripheral interfaces in which controllers are linked directly to disk drives. This technology supports full-duplex signal transmission up to 12Gb/s.

SAS devices can communicate with both SAS and SATA devices. A key difference between SAS and SATA devices is, that SAS devices can have two data ports, of which each resides in a different SAS domain. This enables complete failover redundancy. If one path fails, there is still communication along a separate and independent path.

### PSAS CP400i

The PSAS CP400i, eight port SAS/SATA host bus adapter provides increased connectivity and maximum performance for high-end servers and applications within internal storage. Performance is based on the LSI SAS3008 IO controller, integrating the latest enhancements in SAS and PCI Express 3.0 technology.

The PSAS CP400i provides two x4 internal SFF8643 (Mini-SAS HD), enabling a low profile solution that can achieve over 1 million IOPs. The PSAS CP400i adapter is backwards compatible with previous SAS and PCI generations through automatic negotiation and provides SAS data transfer rates of 12, 6 and 3Gb/s per lane and SATA data transfer rates of 6 and 3Gb/s per lane.

There is also an order option with separate order code for LTO which is otherwise functionally identical.



Main Features	Benefits
<b>Supported protocols</b> <ul style="list-style-type: none"> <li>12Gb/s data transfer rate per port</li> </ul>	<ul style="list-style-type: none"> <li>12Gb/s SAS connectivity eases integration and broadens application by supporting legacy speeds and the SATA protocol</li> </ul>
<b>Storage performance</b> <ul style="list-style-type: none"> <li>Two x4 internal SFF8643 (Mini-SAS HD) connectors</li> </ul>	<ul style="list-style-type: none"> <li>Doubles the performance of previous generation SATA+SAS HBAs</li> </ul>
<b>Scalable performance</b> <ul style="list-style-type: none"> <li>1,000,000 I/Os per second</li> </ul>	<ul style="list-style-type: none"> <li>LSI SAS3008 IO Controller's Fusion-MPT™ 2.0 architecture can achieve more than 1,000,000 I/Os per second</li> </ul>
<b>Form-factor</b> <ul style="list-style-type: none"> <li>MD2 low profile form-factor design</li> </ul>	<ul style="list-style-type: none"> <li>MD2 form factor ideal for 1U and 2U server</li> </ul>

# Technical details

## Technical details

Controller Silicon	LSI SAS3008
Controller type	SAS Ctrl.
Released drivers list link	<a href="http://support.ts.fujitsu.com/Download/Index.asp">http://support.ts.fujitsu.com/Download/Index.asp</a>
Number of ports	8 ports int.
Connector internal	2x SFF8643 (Mini-SAS HD)
Bus interface	PCIe 3.0 x8
RAID level	0,1
RAID cache backup unit	No FBU support
Interface technology	SAS/SATA

Order code	Product Name	Height of bracket	Number of Connectors	Formfactor
S26361-F3842-E2	PSAS CP400i	Matching to system	2	Low profile
S26361-F3842-L502	PSAS CP400i	Full Height / Low Profile	2	Low profile

## Environment

Temperature (operating)	0 - 55 °C
Storage temperature	-45 - 105 °C

## Compliance

Compliance notes	According to the corresponding system
Compliance link	<a href="https://sp.ts.fujitsu.com/sites/certificates">https://sp.ts.fujitsu.com/sites/certificates</a>

# More information

## Fujitsu products, solutions & services

In addition to Fujitsu with PSAS CP400i, Fujitsu provides a range of platform solutions. They combine reliable Fujitsu products with the best in services, know-how and worldwide partnerships.

### Fujitsu Portfolio

Build on industry standards, Fujitsu offers a full portfolio of IT hardware and software products, services, solutions and cloud offering, ranging from clients to datacenter solutions and includes the broad stack of Business Solutions, as well as the full stack of Cloud offering. This allows customers to leverage from alternative sourcing and delivery models to increase their business agility and to improve their IT operation's reliability.

### Computing Products

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### Software

[www.fujitsu.com/software/](http://www.fujitsu.com/software/)

## More information

Learn more about Fujitsu PSAS CP400i, please contact your Fujitsu sales representative or Fujitsu Business partner, or visit our website. [www.fujitsu.com/primergy](http://www.fujitsu.com/primergy)

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## Disclaimer

Please note that the data sheet reflects the technical specification with the maximum selection of components for the named system and not the detailed scope of delivery. The scope of delivery is defined by the selection of components at the time of ordering. The product was developed for normal business use.

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